

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the above-identified application.

Listing of Claims:

1-14. (Canceled)

15. (Previously Presented) A method for managing resources in a reconfigurable computer that contains programmable logic resources that are reconfigurable to optimize the ability of the computer to handle a given application comprising:

automatically swapping configuration data between a secondary storage device and the programmable logic resources during programmable logic resource allocation using a virtual logic manager, wherein the secondary storage device is a mass storage device.

16. (Original) The method defined in claim 15 wherein the reconfigurable computer includes a central processing unit implemented on at least one programmable logic

device and programmable logic coupled to the central processing unit, wherein the programmable logic is reconfigurable to optimize the ability of the computer system to handle a given application.

17. (Original) The method defined in claim 15 wherein the reconfigurable computer includes a central processing unit implemented on a microprocessor and programmable logic coupled to the central processing unit, wherein the programmable logic is reconfigurable to optimize the ability of the computer system to handle a given application.

18. (Original) The method defined in claim 15 wherein the reconfigurable computer includes a central processing unit that is partially implemented on a microprocessor and that is partially implemented on a programmable logic device and programmable logic coupled to the central processing unit, wherein the programmable logic is reconfigurable to optimize the ability of the computer system to handle a given application.

19-33. (Canceled)

34. (New) The method defined in claim 15 wherein the automatically swapping configuration data between the secondary storage device and the programmable logic resources comprises automatically swapping configuration data between a hard disk drive and the programmable logic resources.

35. (New) The method defined in claim 15 wherein the automatically swapping configuration data between the secondary storage device and the programmable logic resources comprises automatically swapping configuration data between the secondary storage device and programmable logic device configuration memory.

36. (New) The method defined in claim 15 further comprising automatically swapping state information between the secondary storage device and the programmable logic resources during programmable logic resource allocation using the virtual logic manager.

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37. (New) The method defined in claim 15 wherein the reconfigurable computer is scalable with respect to the programmable logic resources.